Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details

TEXAS, West

CULBERSON COUNTY --- 2.1 NNW (GDP)GUADALUPE PASS [31.83, -104.81]

	06/04/11 20:28 CST	0	Thunderstorm Wind (MG 62 kt)
	06/04/11 20:28 CST	0	Source: ASOS

CULBERSON COUNTY --- 2.1 NNW (GDP)GUADALUPE PASS [31.83, -104.81]

	06/04/11 21:06 CST	0	Thunderstorm Wind (MG 59 kt)
	06/04/11 21:06 CST	0	Source: ASOS

A mid level moisture axis in place across the mountainous terrain of west Texas combined with surface convergence along a trough to produce isolated severe thunderstorms over the Guadalupe Mountains.

PECOS COUNTY --- 6.4 NW COYANOSA [31.24, -103.07]

	06/12/11 17:44 CST	0	Thunderstorm Wind (MG 50 kt)
	06/12/11 17:44 CST	0	Source: Mesonet

GAINES COUNTY --- SEMINOLE [32.72, -102.65]

	06/12/11 18:10 CST	0	Thunderstorm Wind (MG 53 kt)
	06/12/11 18:10 CST	0	Source: Mesonet

GAINES COUNTY --- 1.4 WNW SEAGRAVES [32.94, -102.57]

	06/12/11 18:35 CST	0	Thunderstorm Wind (MG 54 kt)
	06/12/11 18:35 CST	0	Source: Mesonet

PRESIDIO COUNTY --- 0.6 W (MRF)MARFA MUNI ARPT [30.37, -104.03]

	06/13/11 18:35 CST	0	Thunderstorm Wind (MG 65 kt)
	06/13/11 18:35 CST	0	Source: AWOS

Intense daytime heating along a surface trough across west Texas resulted in a cluster of early evening showers and thunderstorms developing on the 12th. Dry sub cloud layers produced a broad downburst wind event. An isolated microburst event was observed in the Davis Mountains on the 13th, as daytime heating along the same aforementioned surface trough and orographic lift produce a small area of thunderstorms.

(TX-Z081) BIG BEND AREA

	06/19/11 18:15 CST	0	High Wind (MAX 52 kt)
	06/19/11 18:20 CST	0	

Isolated thunderstorms developed over the Davis Mountains and Marfa Plateau, and then moved into the Rio Grande River Valley during the early evening hours. These thunderstorms developed due to intense heating along a narrow instability axis. A dry microburst resulted in some minor damage in Lajitas, TX.

GLASSCOCK COUNTY --- 12.3 E GARDEN CITY [31.87, -101.29]

	06/21/11 18:05 CST	0	Hail (1.75 in)
	06/21/11 18:10 CST	0	Source: Public

GLASSCOCK COUNTY --- 10.8 W ST LAWRENCE [31.70, -101.68]

	06/21/11 19:30 CST	0	Hail (1.50 in)
	06/21/11 19:40 CST	0	Source: COOP Observer

UPTON COUNTY --- 0.6 E MIDKIFF [31.63, -101.84]

	06/21/11 19:50 CST	0	Hail (1.75 in)
	06/21/11 20:00 CST	0	Source: COOP Observer

High winds were also reported, although an estimate for the speed was not available.

CRANE COUNTY --- 1.4 ESE CRANE J BAR ARPT [31.52, -102.51]

	06/21/11 21:44 CST	0	Hail (1.00 in)
	06/21/11 21:49 CST	0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
PECOS COUNTY --- 1.4 WSW IRAAN [30.91, -101.90]				
	06/21/11 23:00 CST		0	Hail (1.00 in)
	06/21/11 23:05 CST		0	Source: Public

A cold front provided a focus for scattered thunderstorm development through the evening hours. Steep mid level lapse rates and modest deep layer shear resulted in several large hail reports across west Texas, as a minor mid level shortwave trough passed overhead.